

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): MAX
 Appln. No.: 09
 Series Code \uparrow 941,545
 Serial No. \uparrow



Group Art Unit 1764
 Examiner: (Unknown)
 Atty. Dkt. P 281123
 M# Client Ref
 Appln. Title: IMPROVED HYDRATE DESALINATION
 FOR WATER PURIFICATION

Filed: August 30, 2001
 Hon. Commissioner of Patents
 Washington, D.C. 20231

Sir:

SECOND PRELIMINARY AMENDMENT

Date: November 6, 2002

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim

- A. ☐ NOT made
 B. ☐ Withdrawn
 C. ☐ made herewith
 D. ☒ made previously
- For B & C
 See **Required
 Separate Paper
 (Pat-256)**

	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	13	**minus 20	0	x \$18/\$9 =	+ \$0	103/203
3. Independent Claims	3	***minus 3	0	x \$84/\$42 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)				+ \$280/\$140 =	+ \$0	104/204
5. Original due Date:	<input checked="" type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo)	\$110/\$55 =		+ \$0		115/215
	(2 mos)	\$400/\$200 =				116/216
	(3 mos)	\$920/\$460 =				117/217
	(4 mos)	\$1,440/\$720 =				118/218
	(5 mos)	\$1,960/\$980 =				128/228
7. Enter any previous extension fee paid since above original due date and subtract				- \$0		
8.				Extension Fee	+ \$0	
9. If Terminal Disclaimer attached, add Rule 20(d) official fee				+ \$110/\$55	+ \$0	148/248
10. If IDS attached requires Official Fee under Rule 97 (c),				+ \$180	+ \$0	126
or if Rule 97(d) Request				+ \$180		126
11. After-Final Request Fee per rules 129(a) and 17(r)				+ \$740/370	+ \$0	146/246
12. No. of additional inventions for examination per Rule 129(b)				x \$740/370 ea	+ \$0	149/249
13. Request for Continued Examination (RCE)				+ \$740/370	+ \$0	1179/1279
14. Petition fee for					+ \$0	
15.				TOTAL FEE =	\$0	

16. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".
 17. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.
 18. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)
 (Our Order No. 18984 281123
 C# M#

**PLEASE CHARGE
 OUR DEP. ACCT**

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP
 Intellectual Property Group

By Atty: Kenneth M. Fagin

Sig:

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachment 7 2002



9/B
11-21-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

MAX

Group Art Unit: 1764

Appln. No.: 09/941,545

Examiner: (Unknown)

Filed: August 30, 2001

Title: IMPROVED HYDRATE DESALINATION FOR WATER PURIFICATION

November 6, 2002

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SECOND PRELIMINARY AMENDMENT

RECEIVED

NOV 07 2002

TC 1700

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

Prior to examination of the patent Application identified above, please amend the application as follows:

IN THE DRAWINGS:

Please amend the drawings as per the Drawing Change Authorization Request that is being filed concurrently herewith to correct reference numerals in Figures 2, 8, 12, 16, 17, 18, 25, and 26. No new matter is entered.

IN THE SPECIFICATION:

Please amend the ~~specification~~ as follows:

Page 22, paragraph 0073:

[0073] Design and engineering of the desalination fractionation column will be determined in large measure based on the phase properties of the particular gas being used. Fig. 11 shows, for example, the carbon dioxide hydrate stability regions superimposed over the carbon dioxide phase diagram. The shaded portion of the diagram indicates that carbon dioxide hydrate (formed from carbon dioxide gas) is stable at from an upper pressure limit of about 18 atmospheres (1.824 MPa), just above 0° C, to about 40 atmospheres pressure (4.053 MPa) at just above about 8° C. With respect to carbon dioxide, per se, the liquidus extends from about 37 atmospheres pressure (3.749 MPa) at just above 0° C, to about 40